

FIG. 1 RELATED ART

FIG. 2 is a block diagram of a network architecture for a mobile communication system. The diagram shows a Mobile Station (MS) 1 connected to two Radio Networks (RN) 2 and 19. Each RN contains a Radio Network Controller (RNC) and a Foreign Agent (FA). The RNs are connected to a Mobile Switching Center (MSC) 3 and a Packet Gateway (PGW) 6. The MSC is connected to a Public Telephone Network (PTN) 4. The PGW is connected to a Packet Data Communication Network (PDCN) 7. The MSC and PGW are also connected to a Home Agent (HA) 9. The HA contains a Home Agent Register (HAR) 10, a Subscriber Register (SR) 11, a Location Information Update Unit (LIU) 13, and a Conversion Table (CT) 14. The HA is connected to the PDCN and the PDCN is connected to the PDCN 7.

PUBLIC
TELEPHONE
NETWORK

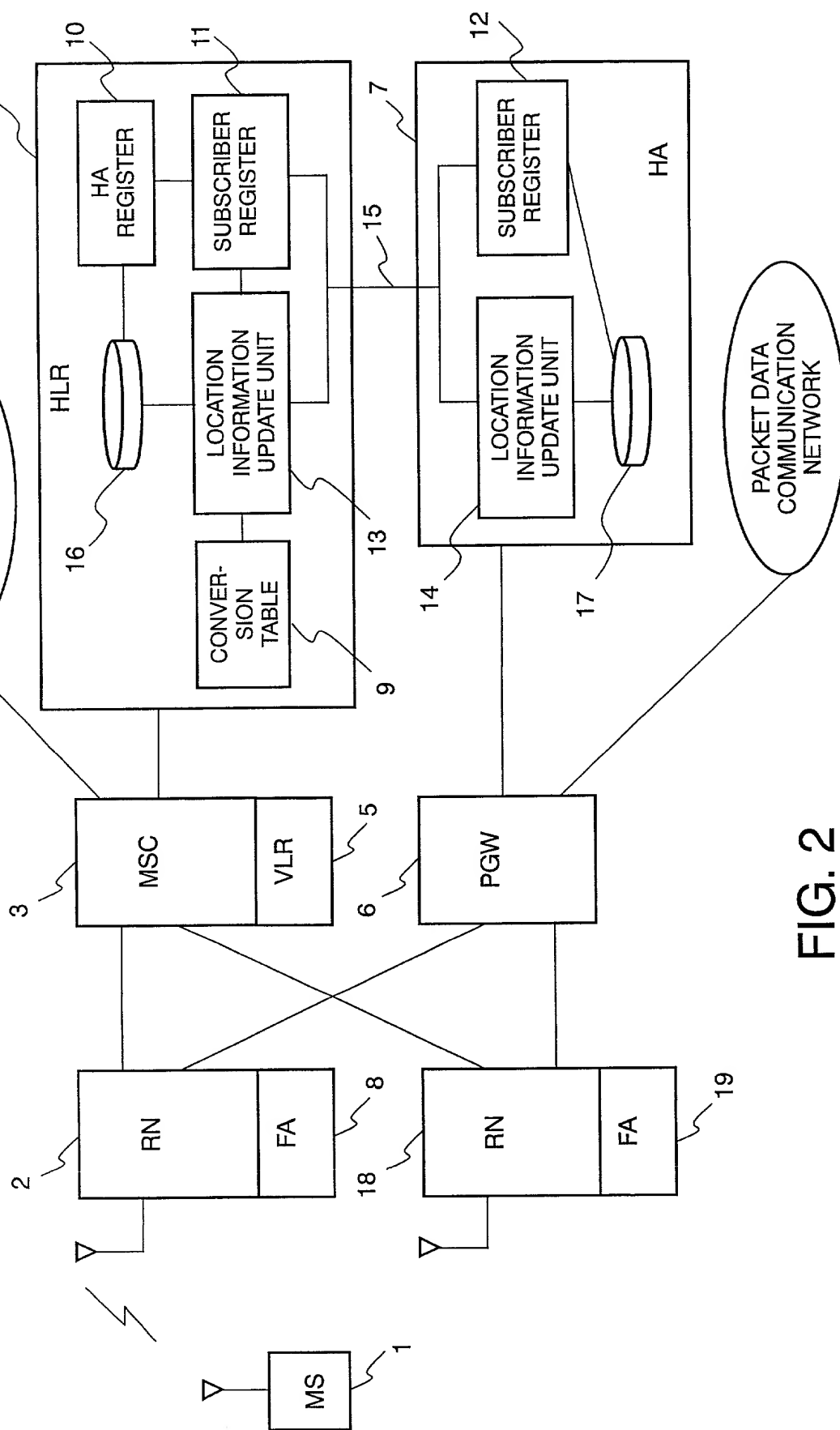


FIG. 2

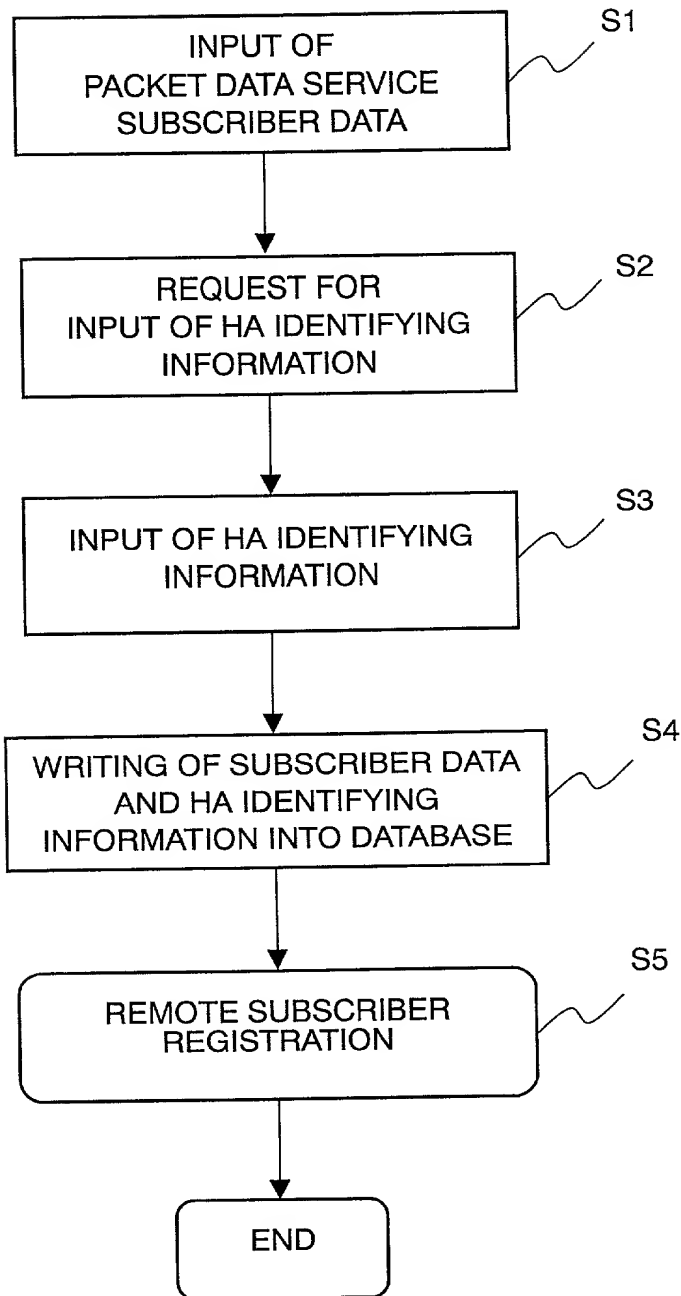


FIG. 3A

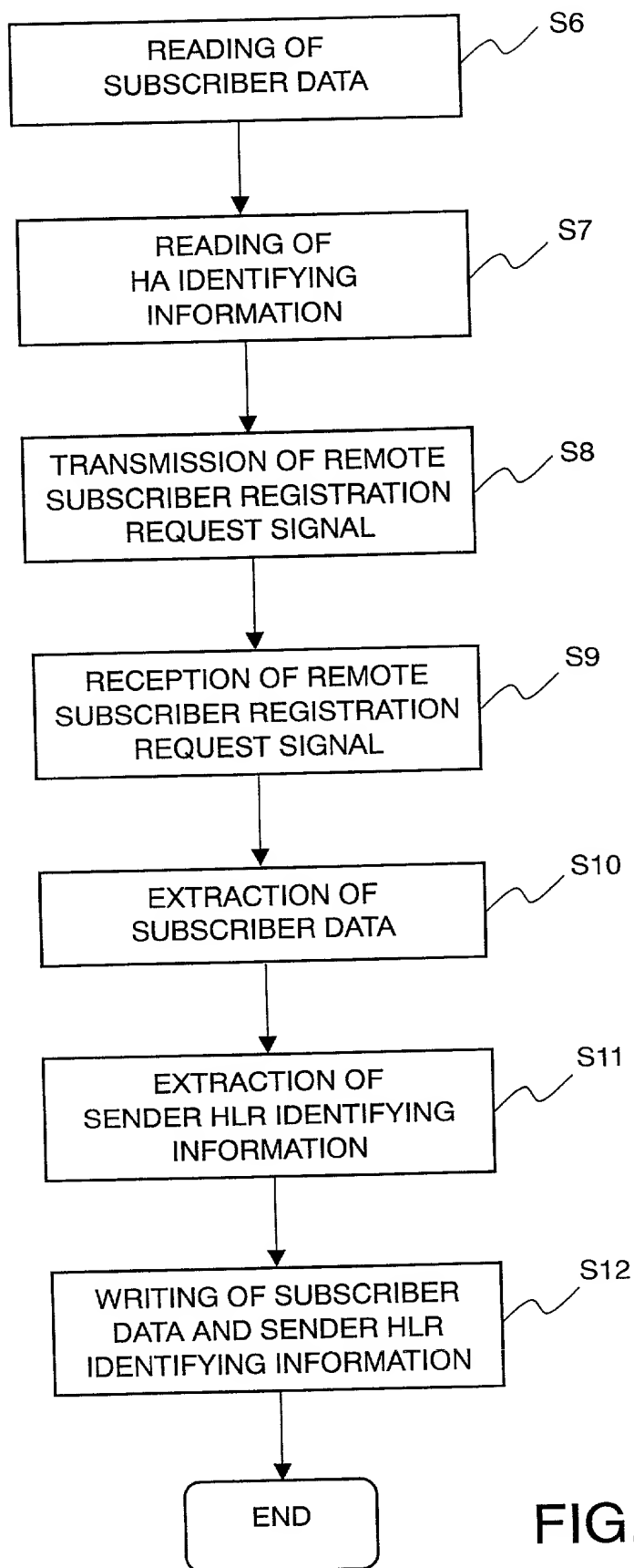


FIG. 3B

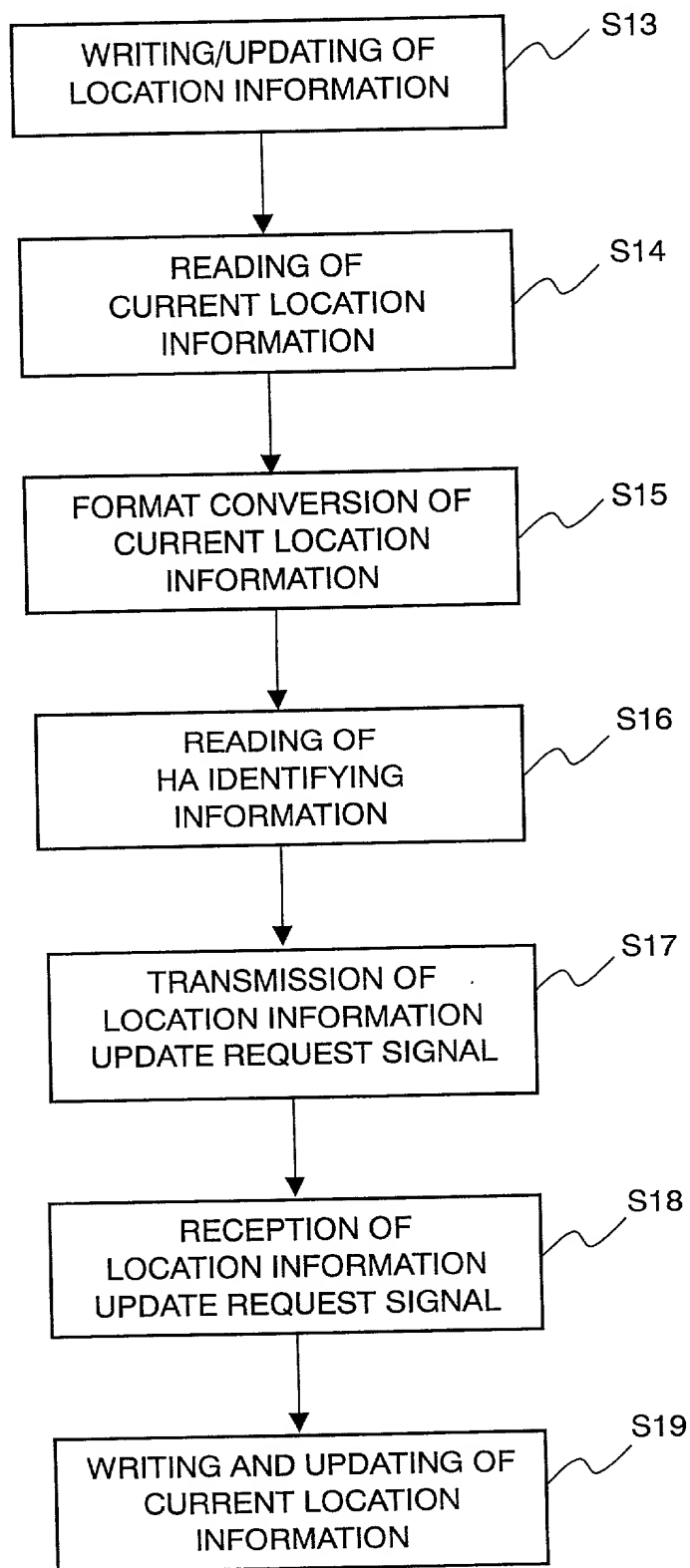


FIG. 3C

HLR SUBSCRIBER DATA

HA SUBSCRIBER DATA

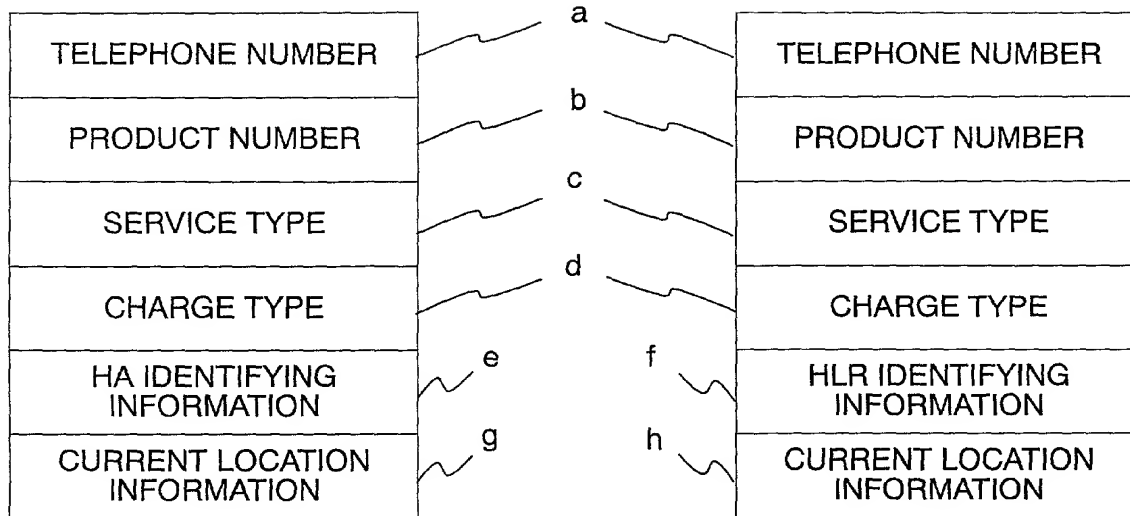


FIG. 4

<HLR>

<HA>

RN NUMBER	00-0000	FA ADDRESS	10.000.000.001
	00-0001		10.000.000.002
	00-0002		10.000.000.003
	⋮		⋮
	99-9999		10.090.090.099

FIG. 5